

4th Georg Rajka International Symposium on Atopic Dermatitis

Arcachon, France, 15–17 September 2005

Honorary Presidents: G Rajka (Oslo), K Yamamoto (Tokyo)

Chair: A. Taïeb (Bordeaux)

Co-chairs: A. Giannetti (Modena), J. Ring (Munich), K. Thestrup Pedersen (Aarhus)

Local Organizing Committee: A. Taïeb, F. Boralevi, C Labrèze (Bordeaux)

Scientific Advisory Board: T Bieber (Bonn), JD Bos (Amsterdam), KD Cooper (Cleveland), M Furue (Fukuoka), G Girolomoni (Verona), J Hanifin (Portland), A Kapp (Hannover), TL Diepgen (Heidelberg), DN Leung (Denver), T Luger (Münster), JF Nicolas (Lyon), AP Oranje (Rotterdam), Y de Prost (Paris), T Reunala (Tampere), JF Stalder (Nantes), M Takigawa (Hamamatsu), K Tamaki (Tokyo), U Wahn (Berlin), HC Williams (Nottingham), B Wüthrich (Zürich)

Scientific Secretariat: F Boralevi, C Labrèze, Pediatric Dermatology Unit, Bordeaux Children's Hospital, France

Website: www.isad2005.org

Wednesday, 14 September 2005: 19.00–21.00: Welcome cocktail

Thursday 15 September 2005

Session 1: Opening/From History To Genetics 8.00–10.30

Opening Session: Chairs: G Rajka & K Yamamoto

Welcome: A Taïeb

Session 1: Chairs: J Ring, K Cooper, J Harper

KL1. 8h15–8.45: D Wallach (France): Atopic Dermatitis And Dermatological Doctrines: An Historical Approach

KL2. 8.45–9.15 WOCM Cookson (UK): Genetics And Epigenetics of Atopic Dermatitis

IC1. 9.15–9.35 TL Diepgen (Germany): Worldwide Variation Of Risk Factors In Infants With AD

Oral Communications: Genomics-Epidemiology 9.35–10.30

OC1. Microarray Analysis Of Atopic Skin Lesions. H Sugiura, T Ebise, T Tazawa, K Tanaka, Y Sugiura, M. Uehara, K. Kikuchi, T. Kimura

OC2. Gene-expression Profiling of Lesional and Atopy Patched Tested Skin in Patients with Atopic Dermatitis Using cDNA Microarrays. A Sääf, M Bradley, M Tengvall-Linder, HY Chang, C-F Wahlgren, A Scheynius, M Nordenskjöld, PO Brown

OC3. Positional Cloning of a Susceptibility Gene for Childhood Eczema from Chromosome 1q21. P Edser, T Street, M Taylor, J Broxholme, JI Harper, WOC Cookson, MF Moffatt.

OC4. The Links Between Gut Worms, Malaria, and Atopic Dermatitis: A Study in Rural Vietnam. C Flohr

Related Posters:

P1. Epidemiological Characteristics of Atopic Dermatitis in India. A J Kanwar

P2. Worldwide Changes in the Prevalence of Eczema Symptoms. H Williams, A Stewart, E von Mutius, W Cookson, R Anderson and the ISAAC Study Team.

Session 2: Maturation of the Immune System 11h–13h
Chairs: K Thestrup-Pedersen, T Bieber

KL3. 11.00–11.30 PJ Holt (Australia): **Perinatal Maturation of the Immune System: Implications for the Aetiology and Pathogenesis of Atopic Dermatitis and Related Diseases**

KL4. 11.30–12.00 E Isolauri (Finland): **Gut Microbiota and Atopic Dermatitis**

Oral Communications: Immunology I (12.00–13.00)

OC5. Numerical and Functional Abnormality of Circulating Plasmacytoid DC in Atopic Dermatitis. H Hashizume, T Horibe, N Ito, T Ito, M Takigawa.

OC6. The Severity of Atopic Dermatitis Correlates to Thymic Function. H Just, M Deleuran, C Vestergaard, B Deleuran, K Thestrup-Pedersen

OC7. Probiotics Provide Clinical Benefit in Moderate and Severe Atopic Dermatitis: A Randomised Controlled Trial. S Weston, JA Dunstan, J Roper, L Breckler, A Halbert, P Richmond, SL Prescott

OC8. Involvement of Innate Conditioning of Antigen Presenting Cells by *Staphylococcus Aureus* Toxin B in Immune Response of Atopic Dermatitis Patients. M Mandron, M-F Aries, F Boralevi F, M Charveron, A Taïeb, C Davrinche

Related Posters:

P3. Probiotics in the Management of Atopic Dermatitis. JH Yim, DH Kim, M-Y Kim, HO Kim, YM Park

P4. The IgE-Bearing B-Cell Receptor Repertoire of Atopic Dermatitis Patients Shows Unbiased VH-Usage but Patient-Specific Clonal Expansions Regardless of Serum Ige Levels. M Mempel, A Gauger, C Schnopp, J Ring, M Ollert, P Kourilsky, A Lim

Session 3: Infection and Immunity 14.30–16.00

Chairs: JD Bos, JF Nicolas, G Imokawa

KL5. 14.30–15.00 D Leung (USA): The Role of Infection in Atopic Dermatitis

IC2. 15.00–15.20 T Werfel (Germany): Inflammatory Reactions To *S Aureus* in AD

Oral Communications: Immunology II 15.20–16.00

OC9. Th2 Cytokines Down-Regulate Cathelicidin Expression and Increase Skin Susceptibility to Viral Infection in Atopic Dermatitis (AD) Patients. MD Howell, M Boguniewicz, JE Streib, C Wong, RL Gallo, DYM Leung

OC10. Microanalysis of Anti-Microbial Peptide, β Defensin-2, in the Stratum Corneum from Atopic Dermatitis (AD) Patients. S Asano, M Kawashima, Y Ichikawa, G Imokawa

OC11. The Balance Between Langerhans Cells and Inflammatory Dendritic Epidermal Cells as a Regulator of Immunogenic and Tolerogenic Immune Responses in Atopic Eczema. N Novak, J-Pallam, B Schlütter-Böhmer, T Bieber, B Kwiek

Related Poster:

P5. Aberrant Blood Dendritic Cells in Atopic Dermatitis. C Lebre, T van Capel, M Kapsenberg, J Bos, E de Jong

Session 4: Epidermal Inflammation Including Neurogenic Inflammation and Pruritus 16.30–18.30

Chairs: A Giannetti, T Luger, U Giel

KL6. 16.30–17.00: B Homey (Germany): Chemokines in AD

IC3. 17.00–17.20 : U Giel (Germany) Is Atopic Dermatitis a Neurogenic Inflammatory Disease?

IC4. 17.20–17.40: M Takigawa, S Shirahama, T Sakamoto, H Hashizume (Japan): Anxiety and Atopic Dermatitis

Oral Communications: Epidermal/Neurogenic Inflammation 17.40–18.30

OC12. Intracellular Control Of CTACK/CCL27 (Cutaneous T Cell Attracting Chemokine) in Keratinocytes Through the Nuclear Transcription Factor Kappa B (NF- κ B). C Vestergaard, C Johansen, K Otkjaer, L Iversen, M Deleuran.

OC13. Brain-Derived Neurotrophic Factor Exerts Immunomodulatory Functions in Atopic Dermatitis. U Raap, A Kapp, B Wedi

OC14. Increased Expression and a Potential Anti-Inflammatory Role of TRAIL in Atopic Dermatitis. E. Vassina, M. Leverkus, L. R. Braathen, H-U. Simon and D. Simon

OC15. Graphology and Atopic Dermatitis. C. Gelmetti, G Fabrizi, C Colonna, C Guerriero, P Vizziello, V Tarantino, C. Centofanti and G. Galdo.

Friday 16 September 2005

Session 5: Clinical Research, Prognostic and Severity Markers 8.00–10.30

Chairs: J Hanifin, T David, C Gelmetti

KL7. 8.00–8.30: T Bieber (Germany): A Novel View on the Natural History of Atopic Dermatitis

IC5. 8.30–8.50: P Schmid-Grendelmeier et al (Switzerland): Autoreactivity in Atopic Dermatitis—Induced by Skin Fungi?

Oral Communications: Clinical Research 8.50–10.30

OC16. Expression of Thymic Stromal Lymphopoietin (TSLP) in Keratinocytes of Atopic Dermatitis Patients and Normal Controls. CO Park, WW Hao, J H Lee, KH Lee

OC17. Identification of *Malassezia Sympodialis* in Patients with Atopic Dermatitis by Polymerase Chain Reaction and its Impact on Disease Activity. A Roll, N Juricevic, P Schmid-Grendelmeier

OC18. High Concentrations of Circulating Macrophage Migration Inhibitory Factor in Patients with 'Extrinsic' Atopic Dermatitis. J-S Kim, D-S Yu, J-W Kim

OC19. Elevated Serum Levels of I-309/CCL1 in Patients with Severe Atopic Dermatitis. N Higashi, Y Niimi, Y Kato, S Kawana

OC20. Serum Levels of IL-16 and Disease Activity in Children with Atopic Dermatitis. B Pigozzi, E Tonin, A Belloni Fortina

OC21. Effect of Caring for a Child with Atopic Dermatitis and Asthma on Parental Sleep, Depression and Anxiety Scores: A Prospective Comparative Study. K Moore, TJ David, CS Murray, HF Child, PD Arkwright

OC22. Flare Cycles, Itch-Scratch Loops and Associated Downturns in QoL: The Human and Economic Burden of Atopic Dermatitis on Patients and Caregivers F Turk

Related Posters:

P6. Comparative Efficacy of Hanifin and Rajka's Criteria and U.K. Working Party's Diagnostic Criteria in Diagnosis of Atopic Dermatitis in a Hospital Setting. A.J. Kanwar

P7. Atopic Dermatitis & The Adolescent Patient. A Taïeb on behalf of the ISOLATE study group

Session 6: Animal Models 11.00–12.30

Chairs: A Kapp, M Furue, H de Verneuil

KL8. 11.00–11.30: T Olivry (USA): Canine AD

IC6. 11.30–11.50: P Verzaal, AP Oranje, L van der Fits, P Jäger, P Rensen, L Havekes, E Prens, L Nagelkerken (The Netherlands): Spontaneous Dermatitis in Mice Transgenic for Human Apolipoprotein C1

Oral Communications: Mouse Models 11.50–12.30

OC23. Establishment of a Mouse Model for Atopic Dermatitis : Getting New Insights into the Role of T Cells. A Hennino, J Benetière, K Rodet, F Berard, M. Vocanson, A-M Schmitt, M-F Aries, JF Nicolas

OC24. Collared Mice: A Model to Assess the Effects of Scratching. S Takeuchi, F Takeuchi, M Furue, SI Katz

OC25. Rapid and Specific Acoustic Analysis of Itch in AD Model Mouse. H Mizutani, K Umeda, K Tokime, Y Omoto

Session 7: Skin Barrier 14.00–16.00

Chairs: JF Stalder, G Girolomoni

KL9. 14.00–14.30 A. Hovnanian (France): Netherton Syndrome as a Model for Skin Barrier Dysfunction

IC7. 14.30–14.50 JP Hachem (Belgium): Stratum Corneum pH Regulates Permeability Barrier Homeostasis

IC8. 14.50–15.10 M Brattsand, K Stefansson, T Egelrud. (Sweden): Kallikreins in the Stratum Corneum

Oral Communications: Skin Barrier 15.10–16.00

OC26. Epicutaneous Sensitization to Aeroallergens in Infantile Atopic Dermatitis: Determining the Role of Epidermal Barrier Impairment. F Boralevi, T Hubiche, C Léauté-Labrèze, E Saubusse, S Maurice-Tison, A Taïeb.

OC27. Re-Characterization of the Non-Lesional Skin in Association with Barrier Function and the Severity of Atopic Dermatitis. H Matsuki, K Kiyokane, T Matsuki, S Sato, G Imokawa

OC28. Re-Evaluation of the Importance of Barrier Dysfunction in the Non-Lesional Dry Skin of Atopic Dermatitis: Analysis by Topical Application of a Barrier Cream. T Matsuki, S Sato, H Matsuki, K Kiyokane, G Imokawa,

Related Posters:

P8. Skin Barrier Damage: Cause or Consequence of Atopic Dermatitis ? MJ Cork, D Robinson, Y Vasilopoulos, A Ferguson, M Moustafa, R Tazi-Ahnini, SJ Ward

P9. Epidermal Abnormalities Underlying Defective Barrier in Netherton Syndrome. P Descargues, C Prost, S Fraïtag, J Mazereeuw, G Zambruno, C Bodemer, A Hovnanian

Session 8: Evidence-Based Therapy, Education and Quality of Life 16.30–18.30

Chairs: Y de Prost, P Schmid-Grendelmeier, T Diepgen

KL10. 16.30–17.00 H Williams (UK): Updating the NHS HTA Systematic Review on Evidence-Based Treatments of Atopic Dermatitis

IC9. 17.00–17.20 T Werfel, U Gielert (Germany) and the German Atopic Dermatitis Intervention Study (GADIS) Group: The German Multicenter Trial of Education in Atopic Dermatitis.

Oral Communications: Education/Evidence-Based Treatments 17.20–18.00

OC29. Parental Education in the Long-Term Management in Childhood Atopic Dermatitis. K-B Suhr, Y-S Kim, J-S Yoon, Y-K Kim, M-S Jang, J-H Lee, J-K Park

OC30. An Audit of the Impact of a Consultation with a Paediatric Dermatology Team on Quality of Life in Infants with Atopic Eczema and Their Families: Further Validation of the Infants' Dermatitis Quality of Life Index and Dermatitis Family Impact Score. PE Beattie, MS Lewis-Jones

OC31. Comparative Trial of Topical Corticosteroids in Atopic Dermatitis. T Uenishi, H Sugiyama, T Tanaka, M Uehara

Related Posters:

P10. Atopic Dermatitis and Cancer Risk. H Wang, TL Diepgen

P11. Methotrexate Treatment of Atopic Dermatitis. C Goujon, N Saad, I Guillot, A Hennino, F Bérard, JF Nicolas

Gala Evening at the "Tir au Vol", Arcachon, Plage Pereire

Saturday 17 September

Session 9: European Task Force on Atopic Dermatitis (ETFAD) Workshop on Allergy Testing in Atopic Dermatitis D 8.00–10.00

Chairs: U Darsow, F Rancé, T Werfel

OC32. Atopic Eczema And Malassezia. A Scheynius (Sweden)

OC33. Studies with Aeroallergen Atopy Patch Tests. U Darsow, J Ring (Germany)

OC34. Food Atopy Patch Test and Repeated Food Challenge. S Seidenari, F Giusti (Italy)

OC35. SAFT and APT Using Fresh Foods in Children with Atopic Dermatitis and Food Allergy. AP Oranje, ACA Devillers, PG Mulder, FB de Waard-van der Spek. (The Netherlands)

OC36. Atopy Patch Test with Foods. K Turjanmaa (Finland)

OC37. The Geneva experience with Epicutaneous Tests 2000–2005 in Atopic Children. J. Lübke, A. Gkomouzas, A-M. Calza (Switzerland)

OC38. The Labial Food Challenge in Children with Atopic Eczema. F Rancé (France)

Discussion of Related Posters (10.00–10.30)

P12. Is the Labial Food Challenge a Useful Tool in the Management of Food Allergy in Children with Atopic Dermatitis? F Boralevi, T Hubiche, S Roul, C Léauté Labrèze, A Taïeb.

P13. The Comparison of Atopy Patch Test with Skin Prick Test in Korean Patients with Atopic Dermatitis. K-B Suhr, Y-S Kim, J-S Yoon, E-J Oh, E-H Lee, J-H Lee, J-K Park

P14. Gene Expression Change of PBMC using IGEC (Immune Gene Expression Chip) by Milk Stimulation Test in Milk Allergy of Atopic Dermatitis. GW Noh, S Choi

P15. Follow-Up Study of 92 Infants with Multiple Food Allergies. K Turjanmaa, A-R Ketvell

P16. Alternaria Alternata Patch Tests on a Study Population of 500 Atopic Dermatitis Patients. F Giusti, S Seidenari

P17. Allergic Sensitization to Common Inhalant Allergens and the Association with Atopic Diseases: Results of a Population Based in Elderly. M Wolkewitz, D Rot-henbacher, M Löw, C Stegmaier, H Ziegler, H Wang, H Brenner, TL Diepgen

Session 10: New Frontiers in Therapy 11.00–12.30 *Chairs: D Atherton, A Oranje, M Takigawa*

KL 11. 11.00–11.30 M Cork (UK): Treatment of Atopic Dermatitis from a Skin Barrier Perspective

Oral Communications: Therapy 11.30–12.30

OC39. What Causes Flares of Atopic Eczema? SM Langan, HC Williams

OC40. Differences in Percutaneous Absorption in Normal and Atopic Dermatitis Skin in Relation to the Molecular Weight. I Jakasa, M Verberk, M Esposito, JD Bos, S Kezic

OC41. N-3/N-6 Polyunsaturated Fatty Acids in a Group of Patients with Recalcitrant Atopic Dermatitis and the Influence of Balanced Japanese Traditional Diet. H Kobayashi, D Tsuruta, M Nanatsue, K Hirai, M Ishii

Related Posters:

P18. Evaluation of the Corticosteroid-Sparing Effect of an Emollient Milk in a Large Population of Infants Affected by Atopic Dermatitis. M Josse, V Mengeaud, V Durosier, V Sibaud, R Grimalt, F Cambazard

P19. Refractory Atopic Dermatitis Associated with Cobalamin Deficiency Treated with a Single B12 Injection. M Nabavi

P20. Does Prolonged Topical Application of Tacrolimus in Children Result in Systemic Accumulation? E Tonin, B Pigozzi and A Belloni Fortina

Close of Meeting